

### **Quartel technologies (Shenzhen) Co. Ltd.**

is located in Shenzhen Guangdong China, which is specialized in developing and marketing telecommunications terminals and business network solutions.

We aim to become one of China's leading communications terminal companies through greater synergy from our R&D capabilities and local connections capitalizing on the manufacturing competitiveness of southern China. Quartel's purpose is to provide high quality terminals and solutions with reliable, superior performance and seamless reach with Enterprise Private Branch Exchange (TDM PBX/IP PBX) systems.

Quartel's innovative telecom endpoint products are especially made with your needs in mind.

Our clients have a diverse range of phones to choose from: entry-level telephones, Manager and Executive telephones, hospitality telephone, and more...

### **Our Vision**

Providing reliable products and services of high quality and value to our customers.

Delivering the differentiated value to customers by providing products that enable them to communicate freely anytime and anywhere.

## **Quartel Q700 HD series IP Phone**



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**Quartel**  
Quality Art Telephony

Quartel Q700 HD series IP Phone

Quartel Q700 HD Series of High Definition IP Phones offers a new dimension of voice call quality and clarity for the IP Telephony market. This new series of IP Phones is offering for the Enterprise and Service Provider markets. The Quartel new Q700HD Series of High Definition IP Phones enable Systems Integrators and end customers to build end-to-end solutions that rely on Quartel's high quality, and interoperable VoIP products.

The Quartel Q700 HD Series of High Definition IP Phones meet a growing demand for High Definition VoIP solutions in end-user phones and terminals, improving the productivity and efficiency of business communications with new quality standards set by the High Definition voice technology.

Wide Range of IP Phones

The Quartel Q700 HD Series of High Definition IP Phones offers five phone models, which are well suited to the requirements of different types of business users. The Q700HD is the cost effective IP phone, the Q708 HD is the 2-line entry level IP Phone without display and includes 5 programmable buttons. The Q710HD 2-line advance model is suitable for most office workers, includes 3 lines monochrome LCD screen. The Q750HD 5-line executive model has a 5 inch Color TFT LCD screen with USB interface. The Q760HD Multimedia model has a 7 inch touch screen with lost of powerful Web applications, is an ideal IP phone to add customized application onto the phone.

Interoperability

The Quartel 700HD Series of High Definition IP Phones is widely interoperable with popular IP-PBXs, Soft switches and IP Centrex solutions. As Enterprises and Service Providers continue to seek open network architectures that enable them to maximize value and reduce costs Quartel Q700HD series IP phones are their smart choice.

HD VoIP Voice

HD VoIP refers to the use of wideband technology, providing deeper clarity and a better audio experience in VoIP communications. The traditional Public Switch Telephony Network (PSTN) is limited to 300-3400 Hz for narrowband voice. Voice signals are sampled at a rate of 8 kHz, causing limitations in communication quality and comprehension. In HD VoIP, wideband telephony refers to transmitting voice signals with bandwidths ranging between 50-7000 Hz and a sampling rate of 16 kHz. This effectively doubles the narrowband voice signal bandwidth and offers the caller (true voice) conversation. Compared to narrowband telephony, wideband technology establishes a sense of presence, resulting in a natural and comfortable conversation.

Features/Model	 <b>Q700</b>	 <b>Q708</b>	 <b>Q710</b>	 <b>Q750</b>	 <b>Q760</b>
Key Features	1-line IP Phone For bathroom/lobby	2-line IP Phone with LED For Guestroom/office	2-line IP Phone with LED 3x24 LCD with backlight	5-line IP Phone with LED 5 inch TFT LCD	1 PSTN + 1 SIP 7 inch TFT touch LCD
Languages	/	/	English/Franch	Multi-Language	Chinese/English
Common Key Features	SIP RFC3261, Auto Provisioning, Web Management, 2 x IEEE 802.3 10/100 Mbps with Internal Switch				
Common Features	Call Waing, Call Hold, Call Transfer, Call Forward, 3-Way Conference, Hot Line, DND, Mute, Speed Dial, Dialing Plan, Phone Book				
Phone book	/	/	500	1000	1000
Programmable Keys	1	5	4	20	16
Common Telephone Keys	4-Way Menu navigaon, Volume, Transfer, Conference, Mute, Hold, Redial, Line, Headset, Full Duplex Speakerphone				
Telephony Features					
Voice processing	AEC (Acoustic Echo Cancellation), ANS (Automatic Noise Suppression), AGC (Automatic Gain Control)				
Voice Coders	G711 Alaw, G711 Ulaw, G729, G723, G726-32, G722				
DTMF	DTMF RFC2833, DTMF Relay, DTMF via SIP INFO				
Enterprise Features	Vlan, DSCP, VPN	Vlan, DSCP, VPN	Vlan, DSCP, VPN	Vlan, DSCP, VPN	Vlan, DSCP, VPN
Protocol Support					
VoIP Protocol	SIP (RFC3261, RFC3262), SDP (RFC2327), Subscribe/Notify(RFC3265), Offer/Answer Model(RFC3264), Refer Method (RFC3515), RTP/RTCP(RFC3550,3551), DNS SRV (RFC2781), IAX2				
Network Protocols	IPv4, TCP, UDP, ICMP, ARP, RTP, RTCP, PPPoE, Stac IP and DHCP IP Assignment, IEEE 802.1p/Q, QoS/ToS, HTTP/DHCP				
Provisioning & Management	WEB, HTTP, TFTP, FTP	WEB, HTTP, TFTP, FTP	WEB, HTTP, TFTP, FTP	WEB, HTTP, TFTP, FTP, USB	WEB, HTTP, TFTP, FTP, USB
Multi-Media					
Application	IP address Broadcasting		10 ring type	Browsing, RSS, Internet radio, Photoframe, Music, Vedio,Recording	
Physical Specifications					
Color	Black/Ivory	Black/Ivory	Black/Ivory	Black	Black
Telephone Interface	Handset Jack	DC Jack, Handset Jack	DC Jack, Handset Jack, Headset Jack(RJ-9)	DC Jack, Handset Jack, Headset Jack(RJ-9)	DC Jack, Handset Jack, Headset Jack(RJ-9)
Network Interface	1 RJ-45 10/100 Base-T for LAN connecvity		2 LAN RJ-45 10/100 Base-T for PC and LAN connecvity		
Power	POE(IEEE 802.3af)	9V DC POE(IEEE 802.3af)(optional)	9V DC, POE(IEEE 802.3af)	12V DC, POE(IEEE 802.3af)	12V DC, POE(IEEE 802.3af)
Temperature	10 <sup>0</sup> -40 <sup>0</sup> C(50 <sup>0</sup> -104 <sup>0</sup> F)	10 <sup>0</sup> -40 <sup>0</sup> C(50 <sup>0</sup> -104 <sup>0</sup> F)	10 <sup>0</sup> -40 <sup>0</sup> C(50 <sup>0</sup> -104 <sup>0</sup> F)	10 <sup>0</sup> -40 <sup>0</sup> C(50 <sup>0</sup> -104 <sup>0</sup> F)	10 <sup>0</sup> -40 <sup>0</sup> C(50 <sup>0</sup> -104 <sup>0</sup> F)
Weight/Shipping weight	0.6kg/1.15kg	0.7kg/1.2kg	0.85kg/1.35kg	1.8kg/2.25kg	1.85kg/2.3kg
Dimensions (HxWxD)	225*90*55 mm	215*185*145 mm	230*180*130 mm	300*225*125 mm	215*185*145 mm

Notice: Specifications are subject to change without notice. Some features may require additional hardware and/or specific software.  
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